

IN THE ABSTRACT OF THE DISCLOSURE

Please amend the Abstract as follows:

Embodiments of the ~~The~~ present invention ~~provide~~ provides a design for handling register overflow in a CPU having parallel registers ~~parallel register architecture~~. In an embodiment, spill code generated by a register allocator may be analyzed to identify register spill instructions that can be associated. Register spill instructions that can be associated may be rewritten as parallel spill instructions, and the corresponding register spills may be configured for storage into memory in a manner permitting them to be loaded back to the registers in parallel.